

CLAIMS

1. An object tilt and fall detection apparatus for detecting the tilt and fall of an object using a disk body which rolls in accordance with the tilt of the object, characterized in comprising timer means for starting a time measurement, stopping the time measurement in accordance with the rolling of the disk body, and displaying the time at which the measurement is stopped.
2. The object tilt and fall detection apparatus according to claim 1, characterized in that the timer means comprises:
 - a display device for displaying time;
 - a measurement start switch for transmitting a time measurement start signal;
 - a measurement stop switch for transmitting a time measurement stop signal; and
 - a controller for starting the time measurement on the basis of the measurement start signal from the measurement start switch, stopping the time measurement on the basis of the measurement stop signal from the measurement stop switch, and causing the display device to display a measurement stop time.
3. The object tilt and fall detection apparatus according to claim 2, characterized in that the measurement stop switch comprises:
 - a first switch lead having a contact terminal formed on a tip end thereof; and
 - a second switch lead having a movable terminal formed on a tip end thereof, the movable terminal contacting the contact terminal elastically through contact caused by the rolling of the disk body.
4. An object tilt and fall detection apparatus for detecting the tilt and fall of an object using a conductive disk body which rolls in accordance with the tilt of the object, characterized in comprising timer means comprising at least:
 - a display device for displaying time;
 - a measurement start switch for transmitting a time measurement start signal;

a measurement stop switch including a printed wiring pattern group comprising at least a pair of printed wiring patterns opposing each other at a predetermined interval without intersecting, for transmitting a time measurement stop signal when the wiring patterns are electrically short-circuited with each other due to a sliding contact of the conductive disk body; and

a controller for starting the time measurement on the basis of the measurement start signal from the measurement start switch, stopping the time measurement on the basis of the measurement stop signal from the measurement stop switch, and causing the display device to display a measurement stop time.

5. The object tilt and fall detection apparatus according to claim 4, characterized in that the printed wiring pattern group is formed in a meandering, substantially reverse C shape.